

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P#

Luminaire Tested: **4RSRK-TS-50-HE-L935**

Issue Date: 3/3/2020



**Test Information**

Test Method: LM-79-08  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1810-975-5)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4RSRK-TS-50-HE-L935  
Description: 4ft RSRK, 500 LUMEN PER FOOT 90CRI 3500K CCT WITH TRILOBE SMOOTH LENS  
Light Source: -  
Ballast/Driver: -

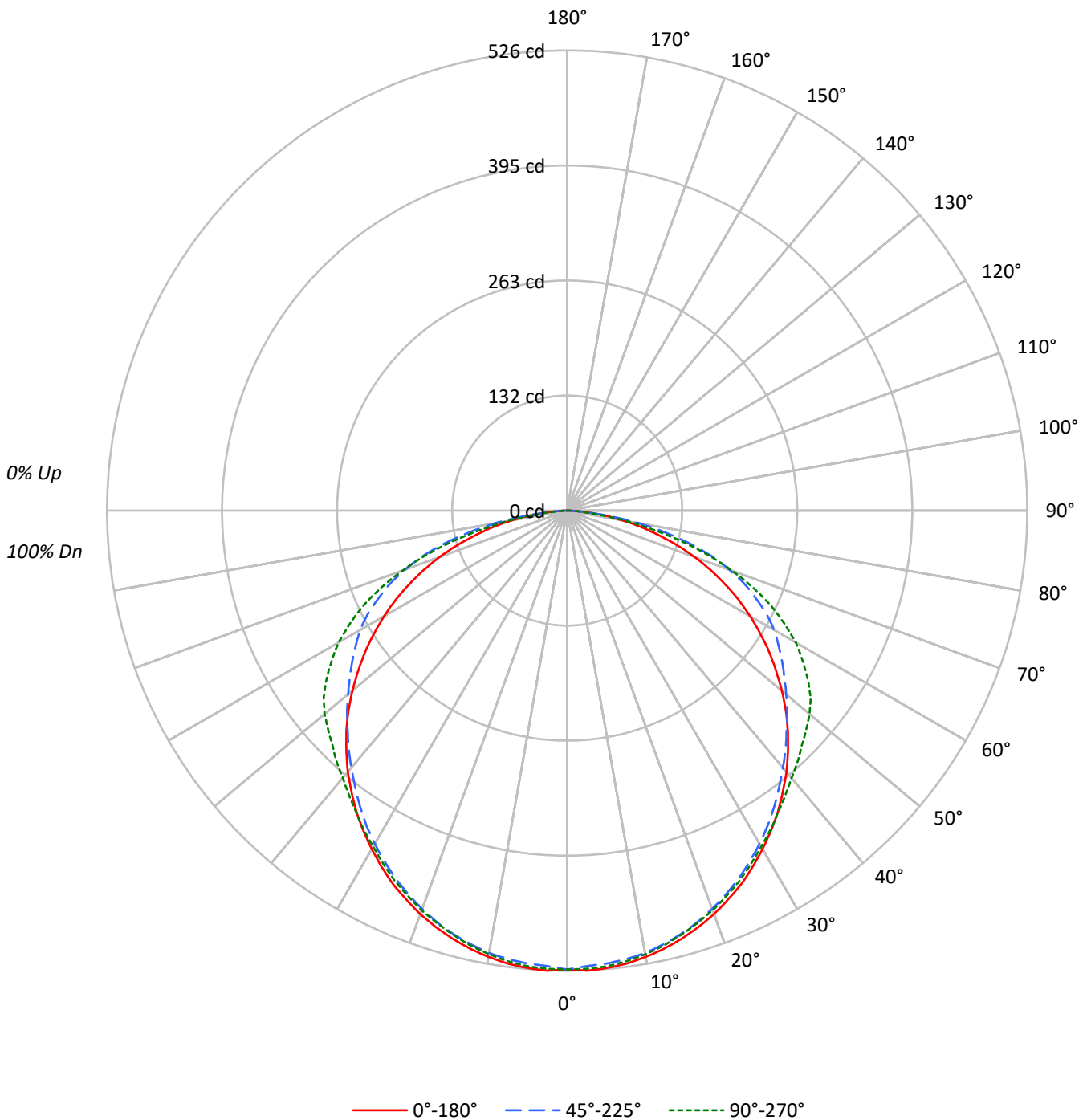
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1614.9 lumens  
Efficiency: N/A  
Efficacy: 112.9 lumens/watt  
Spacing Criteria (0/90/45): 1.27 / 1.26 / 1.39  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 14.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT

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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	108	103	99	95	105	101	97	93	97	93	90	93	90	87	89	87	85	83
2	98	89	82	76	95	87	81	75	84	78	73	80	76	72	77	73	70	68
3	89	78	69	62	86	76	68	62	73	66	61	70	65	60	68	63	59	56
4	81	69	59	52	79	67	59	52	65	57	51	62	56	51	60	54	50	48
5	74	61	52	45	72	60	51	45	58	50	44	56	49	44	54	48	43	41
6	69	55	46	39	67	54	45	39	52	44	38	50	43	38	49	42	38	36
7	63	50	41	34	62	49	40	34	47	39	34	46	39	34	44	38	33	31
8	59	45	36	30	57	44	36	30	43	36	30	42	35	30	41	34	30	28
9	55	41	33	27	54	41	33	27	40	32	27	39	32	27	37	31	27	25
10	52	38	30	25	50	38	30	25	37	29	25	36	29	24	35	29	24	22

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	1411	1411	1411
5°	1418	1404	1412
10°	1415	1403	1407
15°	1411	1397	1399
20°	1406	1388	1393
25°	1399	1378	1386
30°	1388	1367	1378
35°	1380	1356	1382
40°	1370	1348	1401
45°	1358	1350	1444
50°	1341	1368	1515
55°	1323	1407	1575
60°	1300	1471	1625
65°	1268	1521	1638
70°	1220	1554	1574
75°	1124	1503	1406
80°	995	1294	1079
85°	716	655	429



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	49.7	3.1
10°-20°	142.2	8.8
20°-30°	215.2	13.3
30°-40°	261.1	16.2
40°-50°	279.3	17.3
50°-60°	270.7	16.8
60°-70°	226.7	14.0
70°-80°	139.3	8.6
80°-90°	30.8	1.9
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	407.1	25.2
0°-40°	668.1	41.4
0°-60°	1218.1	75.4
0°-90°	1614.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1614.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	524	524	524	524	524	
5°	525	524	520	523	523	50
15°	506	505	501	504	502	143
25°	471	468	464	467	467	217
35°	420	415	413	420	421	263
45°	357	349	355	373	379	275
55°	282	274	300	330	336	252
65°	199	198	239	255	257	197
75°	108	126	145	138	135	115
85°	23	31	21	15	14	29
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	524.5	524.5	524.5	524.5	524.5
2.5°	526.5	525.1	521.1	524.5	524.2
5°	524.8	523.7	519.7	523.1	522.8
7.5°	522.3	521.1	517.2	520.6	519.7
10°	518.0	517.2	513.5	516.0	514.9
12.5°	512.9	512.1	507.8	510.7	509.3
15°	506.4	505.3	501.3	503.6	502.2
17.5°	499.1	497.7	493.7	496.0	494.5
20°	490.9	488.9	484.6	487.7	486.3
22.5°	481.0	479.5	474.5	477.8	476.4
25°	471.1	468.2	464.0	467.1	466.8
27.5°	459.2	456.3	452.1	455.8	455.2
30°	446.7	443.6	439.9	443.6	443.6
32.5°	433.7	429.8	426.9	431.2	432.6
35°	420.1	414.8	412.8	419.8	420.7
37.5°	405.1	399.8	398.1	407.4	409.7
40°	390.1	383.4	383.6	395.5	398.9
42.5°	373.5	366.7	369.8	383.6	389.9
45°	356.8	349.1	354.8	372.9	379.4
47.5°	339.2	331.9	341.2	362.4	370.6
50°	320.3	312.9	326.8	352.5	361.9
52.5°	301.0	293.4	312.9	342.3	350.8
55°	282.1	274.4	299.9	329.6	335.8
57.5°	261.7	255.2	286.3	312.9	319.1
60°	241.6	236.0	273.3	295.9	301.9
62.5°	221.0	216.7	257.5	276.4	279.8
65°	199.2	198.0	238.8	254.9	257.2
67.5°	177.4	180.2	219.5	230.0	230.3
70°	155.0	162.7	197.5	202.0	200.0
72.5°	132.4	145.7	173.1	170.9	169.2
75°	108.1	126.2	144.6	138.3	135.2
77.5°	86.0	106.4	114.0	105.2	100.4
80°	64.2	84.0	83.5	72.1	69.6
82.5°	43.3	58.6	50.1	40.7	35.6
85°	23.2	31.1	21.2	14.7	13.9
87.5°	8.8	7.4	5.7	5.1	5.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)